Shao-Lin Zhang

List of Publications by Year
in descending order

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49 papers	1,715 citations	279798 23 h-index	276875 41 g-index
51 all docs	51 docs citations	51 times ranked	1753 citing authors

#	Article	IF	Citations
1	Synthesis and biological evaluation of Î±-triazolyl chalcones as a new type of potential antimicrobial agents and their interaction with calf thymus DNA and human serum albumin. European Journal of Medicinal Chemistry, 2014, 71, 148-159.	5.5	125
2	Targeting Tumor Metabolism for Cancer Treatment: Is Pyruvate Dehydrogenase Kinases (PDKs) a Viable Anticancer Target?. International Journal of Biological Sciences, 2015, 11, 1390-1400.	6.4	113
3	Discovery of membrane active benzimidazole quinolones-based topoisomerase inhibitors as potential DNA-binding antimicrobial agents. European Journal of Medicinal Chemistry, 2016, 111, 160-182.	5.5	86
4	Design and synthesis of aminothiazolyl norfloxacin analogues as potential antimicrobial agents and their biological evaluation. European Journal of Medicinal Chemistry, 2019, 167, 105-123.	5.5	81
5	Synthesis and biological evaluation of a class of quinolone triazoles as potential antimicrobial agents and their interactions with calf thymus DNA. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3267-3272.	2.2	80
6	Synthesis and biological evaluation of novel benzimidazole derivatives and their binding behavior with bovine serum albumin. European Journal of Medicinal Chemistry, 2012, 55, 164-175.	5.5	79
7	Engineering of a Dual-Recognition Ratiometric Fluorescent Nanosensor with a Remarkably Large Stokes Shift for Accurate Tracking of Pathogenic Bacteria at the Single-Cell Level. Analytical Chemistry, 2020, 92, 13396-13404.	6.5	74
8	Development of pyruvate dehydrogenase kinase inhibitors in medicinal chemistry with particular emphasis as anticancer agents. Drug Discovery Today, 2015, 20, 1112-1119.	6.4	69
9	A new exploration towards aminothiazolquinolone oximes as potentially multi-targeting antibacterial agents: Design, synthesis and evaluation acting on microbes, DNA, HSA and topoisomerase IV. European Journal of Medicinal Chemistry, 2019, 179, 166-181.	5.5	69
10	Novel berberine triazoles: Synthesis, antimicrobial evaluation and competitive interactions with metal ions to Human Serum Albumin. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1008-1012.	2.2	60
11	Synthesis and bioactive evaluation of novel hybrids of metronidazole and berberine as new type of antimicrobial agents and their transportation behavior by human serum albumin. Bioorganic and Medicinal Chemistry, 2013, 21, 4158-4169.	3.0	58
12	Indole-nitroimidazole conjugates as efficient manipulators to decrease the genes expression of methicillin-resistant Staphylococcus aureus. European Journal of Medicinal Chemistry, 2019, 179, 723-735.	5.5	57
13	Organocatalytic Asymmetric Oneâ€Step Desymmetrizing Dearomatization Reaction of Indoles: Development and Bioactivity Evaluation. Angewandte Chemie - International Edition, 2019, 58, 216-220.	13.8	56
14	Quinazolinone azolyl ethanols: potential lead antimicrobial agents with dual action modes targeting methicillin-resistant Staphylococcus aureus DNA. Future Medicinal Chemistry, 2016, 8, 1927-1940.	2.3	51
15	Nucleolin-Targeted Ratiometric Fluorescent Carbon Dots with a Remarkably Large Emission Wavelength Shift for Precise Imaging of Cathepsin B in Living Cancer Cells. Analytical Chemistry, 2021, 93, 4042-4050.	6.5	44
16	Unexpected Discovery of Dichloroacetate Derived Adenosine Triphosphate Competitors Targeting Pyruvate Dehydrogenase Kinase To Inhibit Cancer Proliferation. Journal of Medicinal Chemistry, 2016, 59, 3562-3568.	6.4	42
17	Targeting cancer metabolism to develop human lactate dehydrogenase (h LDH)5 inhibitors. Drug Discovery Today, 2018, 23, 1407-1415.	6.4	42
18	Novel carbazole-oxadiazoles as potential Staphylococcus aureus germicides. Pesticide Biochemistry and Physiology, 2021, 175, 104849.	3.6	41

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19	Design, synthesis, and antibacterial evaluation of novel azolylthioether quinolones as MRSA DNA intercalators. MedChemComm, 2015, 6, 1303-1310.	3.4	38
20	Discovery of novel purinylthiazolylethanone derivatives as anti-Candida albicans agents through possible multifaceted mechanisms. European Journal of Medicinal Chemistry, 2021, 221, 113557.	5.5	38
21	Berberine azoles as antimicrobial agents: synthesis, biological evaluation and their interactions with human serum albumin. MedChemComm, 2013, 4, 839.	3.4	36
22	An unanticipated discovery towards novel naphthalimide corbelled aminothiazoximes as potential anti-MRSA agents and allosteric modulators for PBP2a. European Journal of Medicinal Chemistry, 2022, 229, 114050.	5.5	34
23	Rational design of mitochondria-targeted pyruvate dehydrogenase kinase 1 inhibitors with improved selectivity and antiproliferative activity. European Journal of Medicinal Chemistry, 2018, 155, 275-284.	5.5	25
24	Inhibition of pyruvate dehydrogenase kinase 1 enhances the anti-cancer effect of EGFR tyrosine kinase inhibitors in non-small cell lung cancer. European Journal of Pharmacology, 2018, 838, 41-52.	3.5	24
25	Synthesis and anticancer activity evaluation of novel azacalix[2]arene[2]pyrimidines. European Journal of Medicinal Chemistry, 2018, 151, 214-225.	5.5	23
26	Astemizole Inhibits mTOR Signaling and Angiogenesis by Blocking Cholesterol Trafficking. International Journal of Biological Sciences, 2018, 14, 1175-1185.	6.4	22
27	Novel nannocystin A analogues as anticancer therapeutics: Synthesis, biological evaluations and structureâ€“activity relationship studies. European Journal of Medicinal Chemistry, 2019, 170, 99-111.	5.5	18
28	Optimization of the Natural Product Calothrixin A to Discover Novel Dual Topoisomerase I and II Inhibitors with Improved Anticancer Activity. Journal of Medicinal Chemistry, 2022, 65, 8040-8061.	6.4	16
29	Anticancer effects of some novel dichloroacetophenones through the inhibition of pyruvate dehydrogenase kinase 1. European Journal of Pharmaceutical Sciences, 2018, 123, 43-55.	4.0	15
30	Anti-lung cancer activity and inhibitory mechanisms of a novel Calothrixin A derivative. Life Sciences, 2019, 219, 20-30.	4.3	15
31	Synthesis and Characterization of Thiopheneâ€derived Amido Bisâ€nitrogen Mustard and Its Antimicrobial and Anticancer Activities. Chinese Journal of Chemistry, 2012, 30, 1831-1840.	4.9	14
32	Phenyl butyrate inhibits pyruvate dehydrogenase kinase 1 and contributes to its anti-cancer effect. European Journal of Pharmaceutical Sciences, 2017, 110, 93-100.	4.0	14
33	Pharmacological synergism of 2,2-dichloroacetophenone and EGFR-TKi to overcome TKi-induced resistance in NSCLC cells. European Journal of Pharmacology, 2017, 815, 80-87.	3.5	14
34	Study the interactions between human serum albumin and two antifungal drugs: Fluconazole and its analogue DTP. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4963-4968.	2.2	12
35	Difuran-substituted quinoxalines as a novel class of PI3KÎ± H1047R mutant inhibitors: Synthesis, biological evaluation and structure-activity relationship. European Journal of Medicinal Chemistry, 2018, 157, 37-49.	5.5	12
36	Recent developments of human monocarboxylate transporter (hMCT) inhibitors as anticancer agents. Drug Discovery Today, 2021, 26, 836-844.	6.4	12

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37	Dichloroacetophenones targeting at pyruvate dehydrogenase kinase 1 with improved selectivity and antiproliferative activity: Synthesis and structure-activity relationships. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3441-3445.	2.2	11
38	Development of dual inhibitors targeting pyruvate dehydrogenase kinases and human lactate dehydrogenase A: High-throughput virtual screening, synthesis and biological validation. European Journal of Medicinal Chemistry, 2020, 203, 112579.	5.5	11
39	Copperâ€Catalyzed Trifluoromethylation of Trisubstituted Allylic and Homoallylic Alcohols. Chemistry - A European Journal, 2015, 21, 6700-6703.	3.3	10
40	Synthesis, biological evaluation and structure-activity relationship of a novel class of PI3KÎ± H1047R mutant inhibitors. European Journal of Medicinal Chemistry, 2018, 158, 707-719.	5.5	10
41	A Mitochondria-Targeted Phenylbutyric Acid Prodrug Confers Drastically Improved Anticancer Activities. Journal of Medicinal Chemistry, 2022, 65, 9955-9973.	6.4	10
42	Histone lysine methyltransferase SET8 is a novel therapeutic target for cancer treatment. Drug Discovery Today, 2021, 26, 2423-2430.	6.4	9
43	Synthesis and bioactive evaluations of novel benzotriazole compounds as potential antimicrobial agents and the interaction with calf thymus DNA. Journal of Chemical Sciences, 2015, 127, 2251-2260.	1.5	8
44	Synthesis, biological evaluation and structure-activity relationship of novel dichloroacetophenones targeting pyruvate dehydrogenase kinases with potent anticancer activity. European Journal of Medicinal Chemistry, 2021, 214, 113225.	5.5	8
45	Investigation on the binding of cyanobacterial metabolite calothrixin A with human serum albumin for evaluating its potential toxicology. Food and Chemical Toxicology, 2021, 155, 112396.	3.6	8
46	Synthesis and biological evaluation of (R)-3,3,3-trifluoro-2-hydroxy-2-methylpropionamides as pyruvate dehydrogenase kinase 1 (PDK1) inhibitors to reduce the growth of cancer cells. European Journal of Pharmaceutical Sciences, 2017, 110, 87-92.	4.0	7
47	Development of dichloroacetamide pyrimidines as pyruvate dehydrogenase kinase inhibitors to reduce cancer cell growth: synthesis and biological evaluation. RSC Advances, 2016, 6, 78762-78767.	3.6	5
48	Profiling the interaction of a novel toxic pyruvate dehydrogenase kinase inhibitor with human serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 256, 119733.	3.9	3
49	Nâ€²²,Nâ€²⁵-Bis[(E)-2-hydroxybenzylidene]-3,4-dimethylthiophene-2,5-dicarbohydraz Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1752-o1752.	0.2	1